

Amendments to the Specification:

Please replace the paragraph, beginning at page 18, line 4, with the following rewritten paragraph:

In order to avoid calculating line-structures outside the structure being traced, such as an adjacent line-structure, or generating false positive line structures, the shift and correlate process of the tracing procedure must have a mechanism for terminating at appropriate places on the trace. Specifically, the present invention includes a series of criteria indicating an appropriate trace stopping point, which is determined automatically. For example, the tracing procedure is terminated when the maximum template response is not larger than a fixed threshold. Tracing is also terminated when the response drops below 20% of the maximum detected response in the trace.